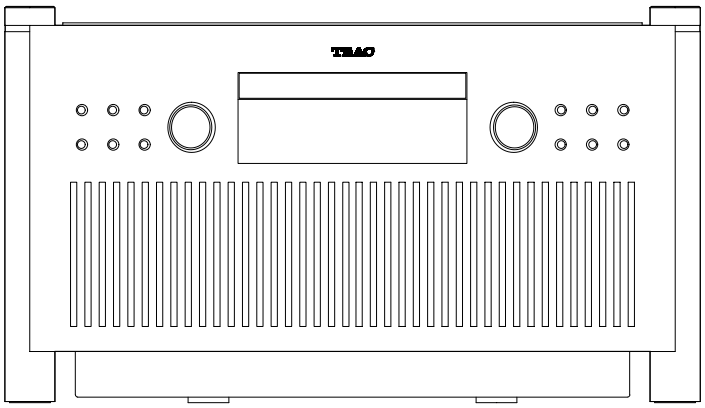
TEAC



SERVICE MANUAL

SR-L50

CD Receiver

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components – refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
- [T/C]:USA/CANADA,[EUR]:EUROPE,[UK]:UK, [HKG]:HONG KONG

CONTENTS

1 SAFETY INFORAMTION…… 2
2 SPECIFICATIONS…… 3
3 ADJUSTMENT AND CHECKS…… 4
3-1 TUNER SECTION……..…… 4
3-2 CD SECTION…… 7
4 EXPLODED VIEWS AND PARTS LIST…… 8
5 PC BOARDS AND PARTS LIST…… 16
6 WIRING DIAGRAM…… 26

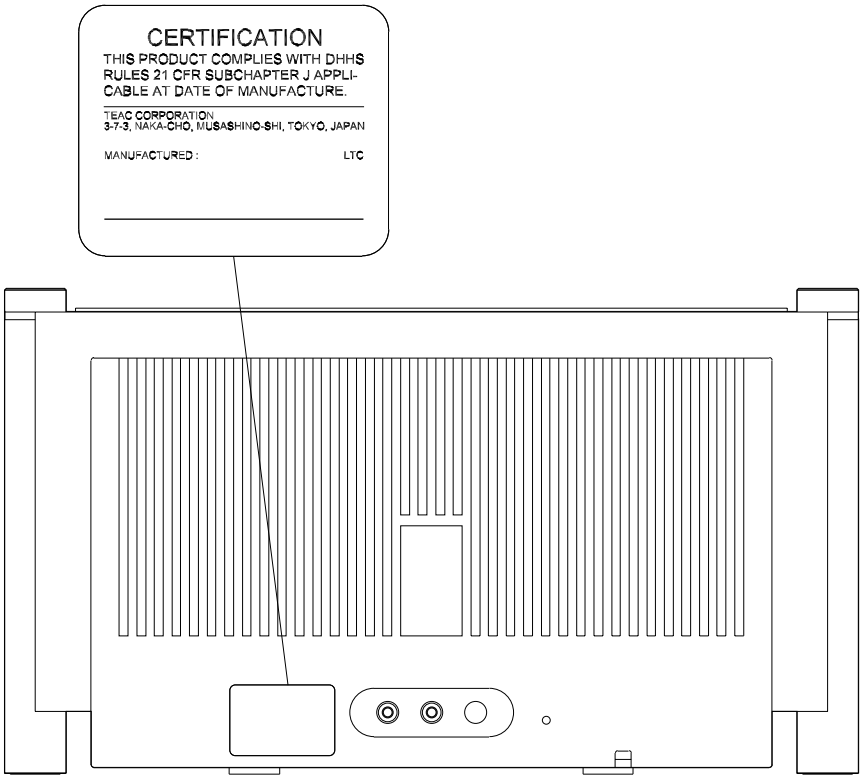
1 SAFETY INFORMATION

SAFETY INFORMATION

This product has been designed and manufactured according to FDA regulations “title 21, CFR, chapter 1, subchapter J based on the Radiation Control for Health and Safety Act of 1986” and is classified as class 1 laser product. There is no hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings. The label required in this regulation is shown below.

● **CAUTION**

USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HERE IN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.


CERTIFICATION
THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.
TEAC CORPORATION
3-7-3, NAKA-CHO, MUSASHINO-SHI, TOKYO, JAPAN
MANUFACTURED :
LTC

Optical pickup:

Type	:	SLD104AU
Manufacturer	:	SONY Corporation
Laser output	:	Less than 0.5mV on the objective lens
Wavelength		760 – 800 nm

2 SPECIFICATIONS

TUNER Section (FM)

Frequency Range..... 87.50 to 108.00 MHz(100kHz step)

(U.S.A./Canada Model, General Export Model)

Frequency Range..... 87.50 to 108.00 MHz(50kHz step)

(Europe Model)

TUNER Section (AM)

Frequency Range.....520 to 1710 kHz(10kHz step)

(U.S.A./Canada Model, General Export Model)

Frequency Range.....522 to 1620 kHz(9kHz step)

(Europe Model)

CD PLAYER Section

Frequency Response.....20 to 20kHz (±1dB)

Wow and Flutter.....Unmeasurable

SPEAKER SYSTEM Section

Type.....65 mm 1-way x2

80 mm subwoofer x1

Impedance.....8 ohms (L & R)

8 ohm (subwoofer)

GENERAL

Total Output Power.....15W

Power Requirements.....120V, 60Hz (U.S.A./Canada model)

230V, 50Hz (Europe Model)

120V/230V AC, 50-60Hz (General export model)

Power Consumption.....40W

Dimension (W x H x D) .....389 x 213 x 216 mm

(15-7/8" x 8-3/8" x 8-1/2")

Weight.....6.0 kg (13-3/16 lb)

Standard Accessories

Remote Control Unit (RC-917) x 1

FM lead-type antenna

(U.S.A./Canada Model, General Export Model)

Remote Control Unit (RC-917) x 1

(Europe Model)

- Design and specifications are subject to change without notice.
- Illustrations may differ slightly from production models

3 ADJUSTMENTS AND CHECKS

3-1 TUNER SECTION

Use a screwdriver with a plastic or ceramic grip for all adjustment.

AM adjustment

1. Set the function switch to the TUNER position.
2. Set the BAND switch to the AM position.
3. Connect the test loop antenna across the output of the signal generator.
4. Connect the oscilloscope to the PHONES JACK terminal.
5. Set the signal generator as listed in the alignment chart.

FM adjustment

1. Set the function switch to the TUNER position.
2. Set the BAND switch to the FM position.
3. Connect the signal generator output through a 75 ohm dummy antenna to "ANT" on TUNER PCB CN8.
4. Connect the oscilloscope to the PHONES JACK terminal.
5. Set the signal generator as listed in the alignment chart.

3-1-1. RADIO ALIGNMENT

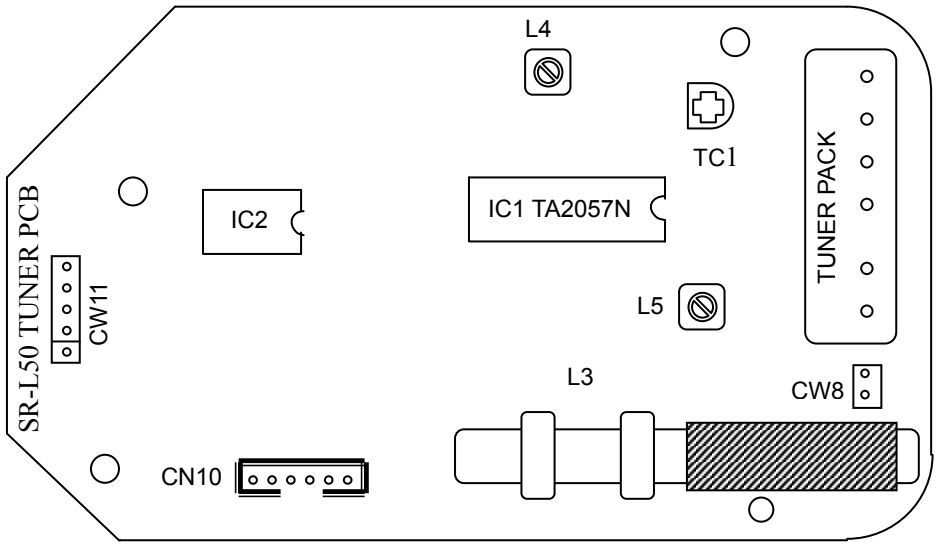


FIG. 1-1 Adjustment locations

3-1-2 AM TUNER

ITEM	SG SETTING				TUNER SETTING	ADJUSTMENTS	MEASURING POINTS RESULT
	Audio	Modulation	Frequency	Output			
1.VOLTAGE adjustment					1710KHz(T/C)	L4	VT 8.0V
					1620KHz(EUR)		
					530KHz(T/C)	Check	VT 1.5V
					531KHz(EUR)		
2.IFT adjustment	1KHz	30%	610KHz(T/C)	76dBuV	610KHz(T/C)	L5	Maximum output level
			612KHz(EUR)		612KHz(EUR)		
3.ANT Coil adjustment	1KHz	30%	610KHz(T/C)	76dBuV	610KHz(T/C)	Am ant coil L3	Maximum output level
			612KHz(EUR)		612KHz(EUR)		
4.TC1 adjustment	1KHz	30%	1410KHz(T/C)	76dBuV	1410KHz(T/C)	TC1 Repeat step 3 and 4	Maximum output level
			1413KHz(EUR)		1413KHz(EUR)		

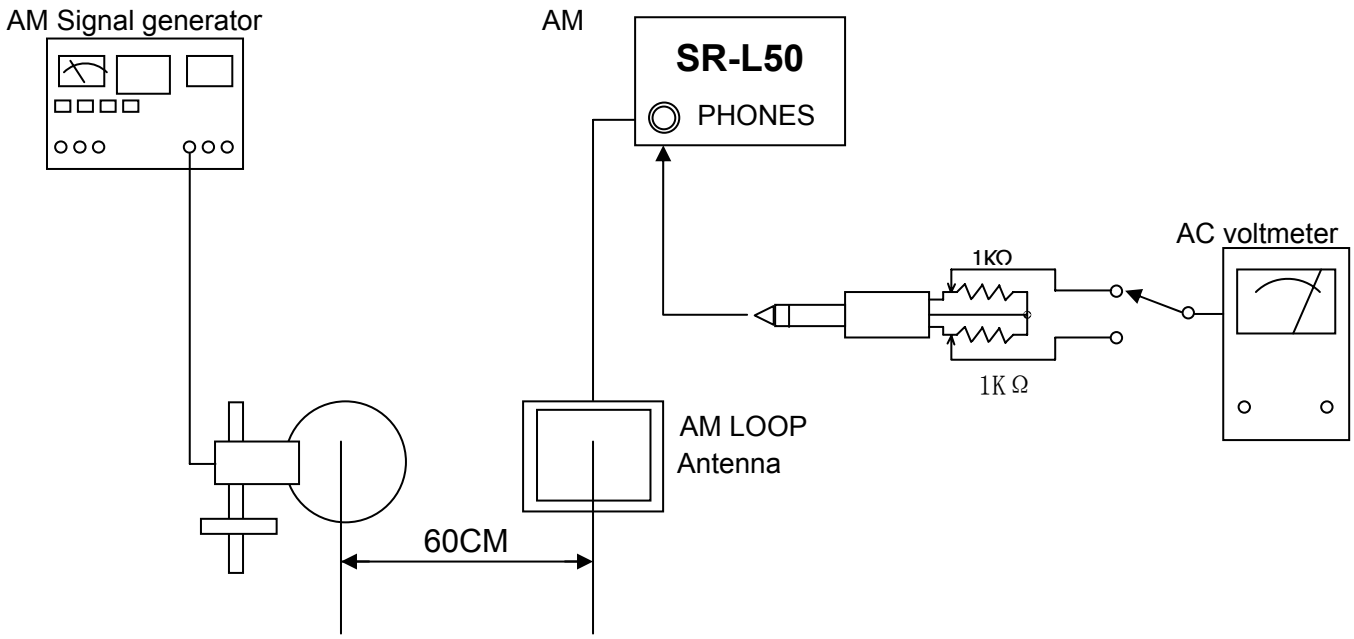


FIG. 1-1-1

3-1-3 FM TUNER

ITEM	S G S E T T I N G				TUNER SETTING	ADJUSTMENTS	MEASURING POINTS. RESULT
	AUDIO	Modulation	Frequency	Output			
VOLTAGE adjustment					106.1MHz	Check	VT 5.5-5.9V
					90.1MHz	Check	VT 1.2-1.6V

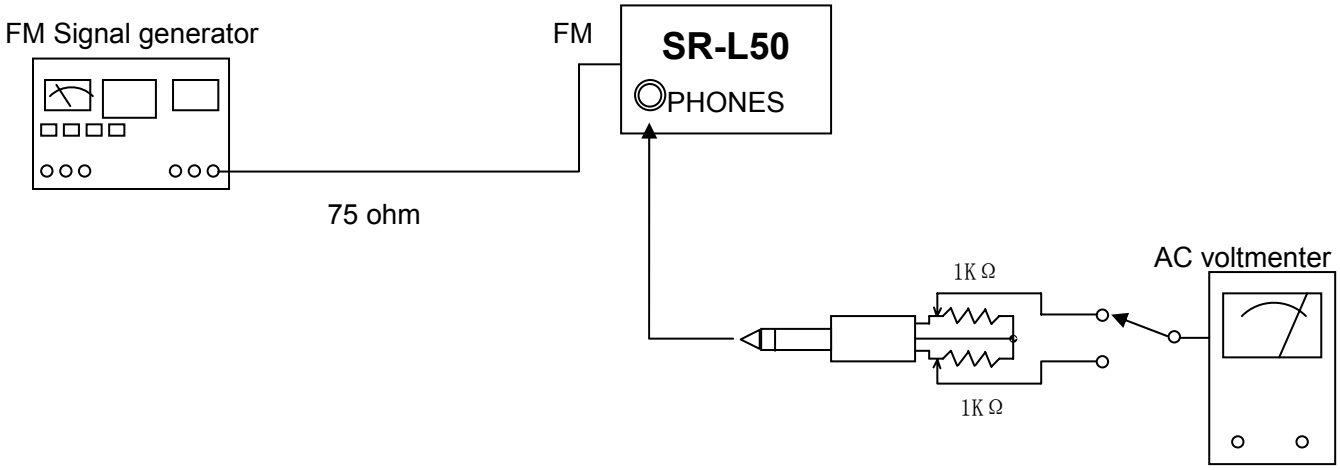


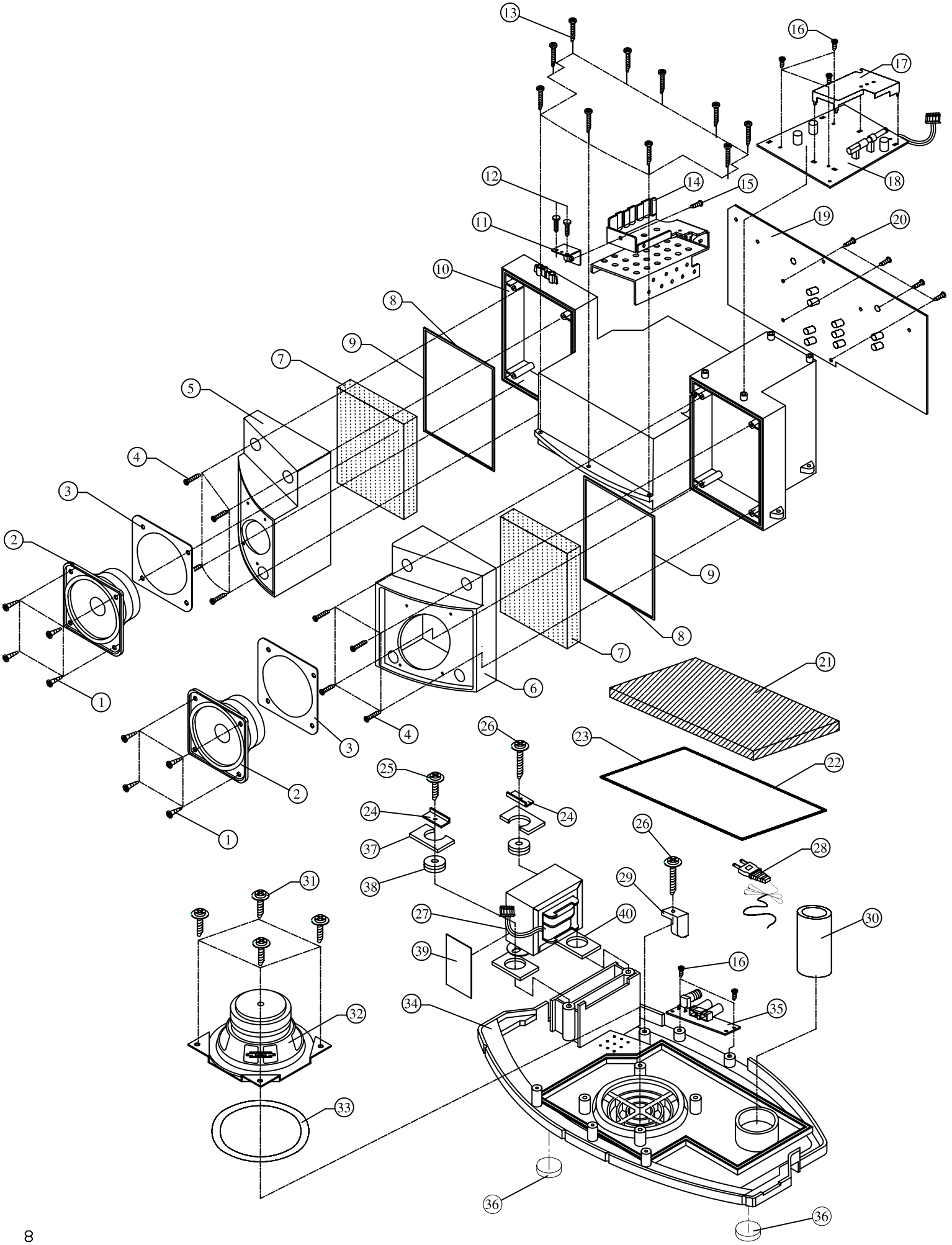
FIG.1-1-2

3-2 CD SECTION

Auto alignment.

4 EXPLODED VIEWS AND PARTS LIST

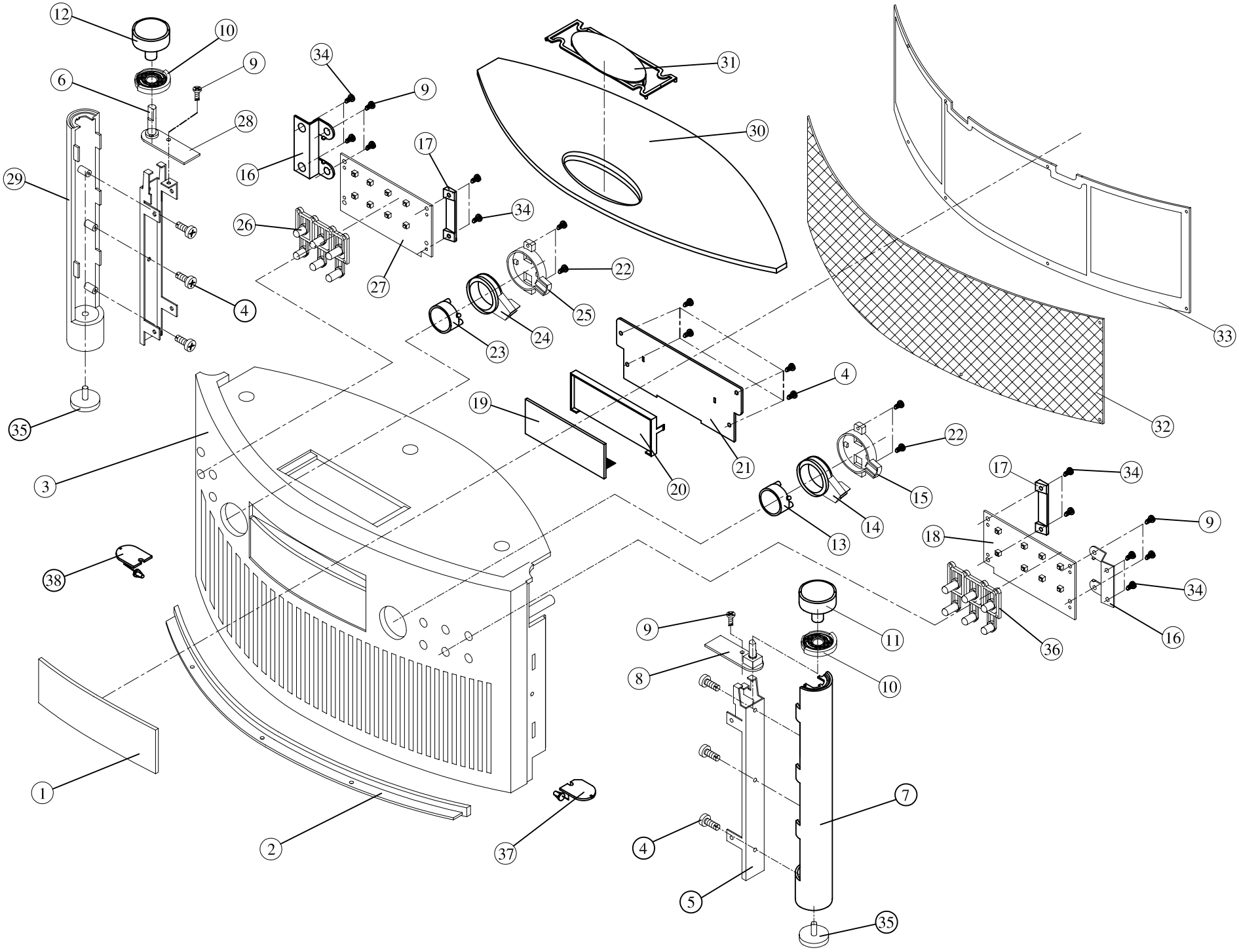
EXPLODED VIEW-1



EXPLODED VIEW-1

REF. NO		PARTS NO.	DESCRIPTION	REMARKS
1 – 1		024-43010033	SCREW Ø3x10MM PWA BLACK HD	
1 – 2		061-OLT10800	SPEAKER 2" 8 ohm 5~8W	
1 – 3		035-SD900082	R/L SPEAKER EVA WASHER	
1 – 4		023-23014033	SCREW Ø3x14MM BB BLACK HD	
1 – 5		010-SR500200	LEFT SPEAKER BOX COVER	
1 – 6		010-SR500300	RIGHT SPEAKER BOX COVER	
1 – 7		099-39SRL502	ABSORB COTTON B (SIZE:108x80Xt20MM)	
1 – 8		035-SLD90052	EVA SHEET(D):93x5Xt1.0MM	
1 – 9		035-SRL50022	EVA SHEET(C):11.8x5xT1.0MM	
1 – 10		010-SR500100	WOOFER BOX	
1 – 11		011-SD900200	HEAT SINK BKT	
1 – 12		023-23008032	SCREW Ø3x8MM BB ZMC HD	
1 – 13		023-23012033	SCREW Ø3x12MM BB BLK HD	
1 – 14		018-SRL50000	POWER IC HEAT SINK	
1 – 15		022-23008033	SCREW Ø3x8MM BM BLK HD	
1 – 16		023-13006032	SCREW Ø3x6MM PB ZMC HD	
1 – 17		011-SR500500	TUNER PCB SHIELD PLATE	
1 – 18		100-SR502060	TUNER PCB ASS'Y (FOR T/C)	
		100-SR501180	TUNER PCB ASS'Y (FOR EUR)	
1 – 19		100-SR502010	MAIN PCB ASS'Y (FOR T/C)	
		100-SR501160	MAIN PCB ASS'Y (FOR EUR)	
1 – 20		023-23010032	SCREW Ø3x10MM BB ZMC HD	
1 – 21		099-39SRL501	ABSORB COTTON A (SIZE:126x126xT20)	
1 – 22		035-SRL50002	EVA SHEET(A):183x5xT1.0MM	
1 – 23		035-SRL50012	EVA SHEET(A):138x5xT1.0MM	
1 – 24		011-SR900401	TRANSFORMER BKT	
1 – 25		021-44015032	SCREW Ø4x15MM PWT ZMC HD (FOR T/C)	
		021-44020032	SCREW Ø4x20MM PWT ZMC HD (FOR EUR)	
1 – 26		021-44018032	SCREW Ø4x18MM PWT ZMC HD (FOR T/C)	
		021-44024032	SCREW Ø4x24MM PWT ZMC HD (FOR EUR)	
1 – 27	⚠	084-SD900200	TRANSFORMER UL 120V/60Hz (FOR T/C)	
		094-SD900100	TRANSFORMER VDE 230V/50Hz (FOR EUR)	
1 – 28	⚠	087-00000007	AC CORD "UL" L=2000MM BLACK (FOR T/C)	
		087-00000001	AC CORD "VDE" L=2000MM BLACK (FOR EUR)	
		087-00000004	AC CORD "BSI" L=2000MM BLACK (FOR UK/HKG)	
1 – 29		010-SD900600	CORD STOP	
1 – 30		044-SLD90040	SPEAKER PAPER TUBE(BOTTOM)	
1 – 31		023-44010032	SCREW Ø4x10MM PWB ZMC HD	
1 – 32		061-OLT10801	SPEAKER 3" 8 OHM 10~15W	
1 – 33		035-OOLT1052	EVA SHEET:Ø83xØ73xT1.5MM	
1 – 34		001-SR500100	BOTTOM CABINET (FOR T/C, EUR)	
1 – 35		100-SR502100	AUX PCB ASS'Y (FOR T/C)	
		100-SR501190	AUX PCB ASS'Y (FOR EUR)	
1 – 36		037-SR500100	RUBBER FOOT B	
1 – 37		037-SD900500	TRANSFORMER RUBBER SHEET (B) (FOR EUR/HKG)	
1 – 38		037-SD900600	TRANSFORMER RUBBER (ROUND) (FOR EUR/HKG)	
1 – 39		015-SR500300	ADIABATIC SHEET <B> (FOR EUR/HKG)	
1 – 40		037-SD900400	TRANSFORMER RUBBER SHEET (A) (FOR EUR/HKG)	

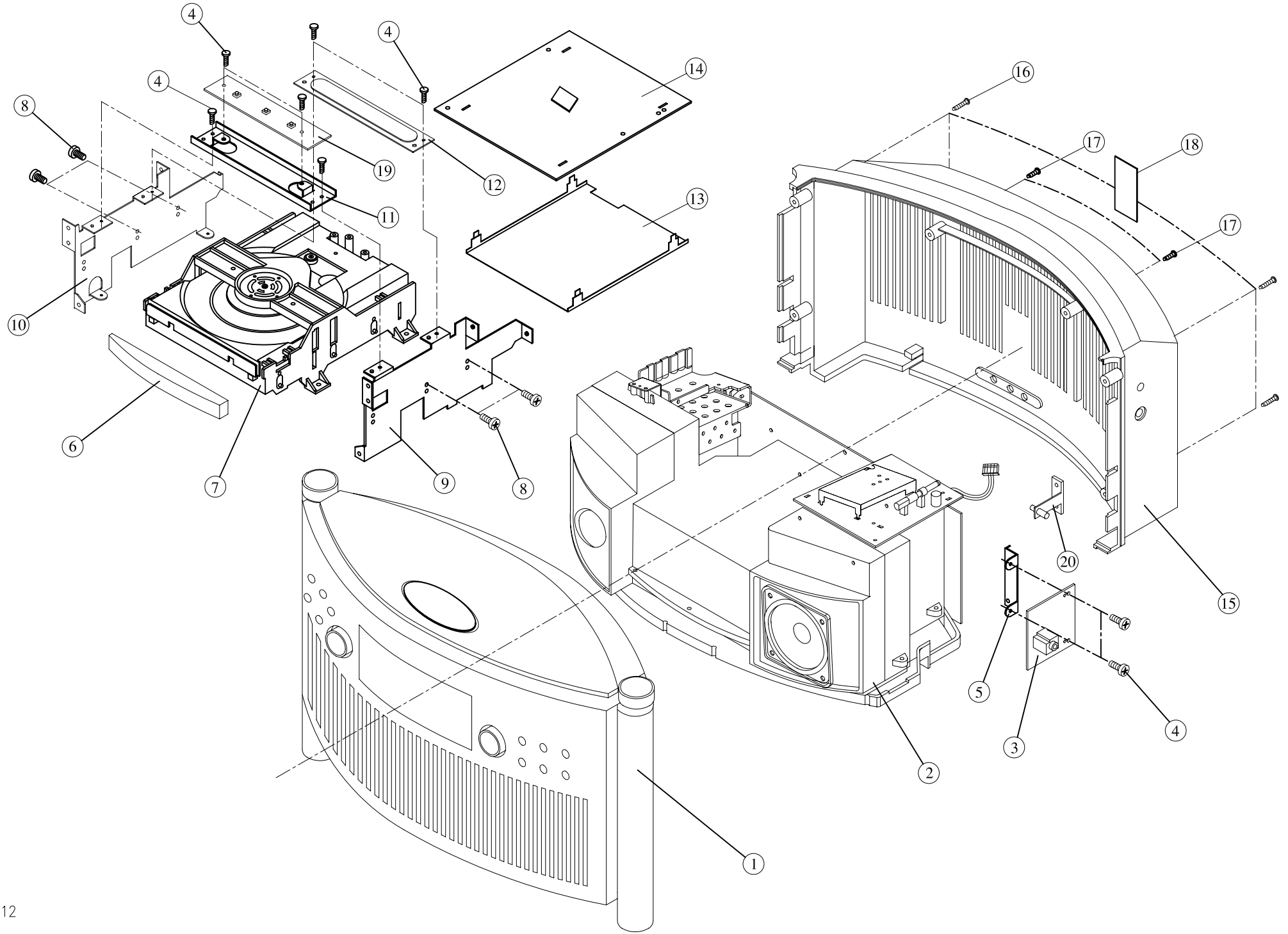
EXPLODED VIEW-2



EXPLODED VIEW-2

REF. NO	PARTS NO.	DESCRIPTION	REMARKS
2 – 1	007-SR500300	LCD DISPLAY LENS	
2 – 2	007-SR500200	BOTTOM CABINET LENS	
2 – 3	001-SR500000	FRONT CABINET	
2 – 4	023-23008032	SCREW Ø3x8MM BB ZMC HD	
2 – 5	011-SR500800	POLE BKT RIGHT	
2 – 6	010-SR501300	CAP SHAFT	
2 – 7	010-SR501000	SIDE POLE RIGHT	
2 – 8	100-SR502110	BASS PCB ASS'Y	
2 – 9	022-23006032	SCREW Ø3x6MM BM ZMC HD	
2 – 10	010-SR500900	BBS KNOB LENS RING	
2 – 11	004-SR500200	BBS VOLUME KNOB	
2 – 12	004-SR500201	MASKING KNOB	
2 – 13	004-SR500100	VOLUME KNOB	
2 – 14	010-SR500500	VOLUME LENS RING	
2 – 15	010-SR500600	VOLUME LENS COVER	
2 – 16	011-SR500900	FUNCTION PCB BKT	
2 – 17	010-SR501200	PCB HOLDER	
2 – 18	100-SR502040	RIGHT FUNCTION PCB ASS'Y	
2 – 19	080-SRL50021	LCD DISPLAY: MODEL:TCM-3866	
2 – 20	009-SR500000	LCD BACK LIGHT HOLDER	
2 – 21	100-SR502050	LCD DISPLAY PCB ASS'Y	
2 – 22	023-42610032	SCREW Ø2.6x10MM PWB ZMC HD	
2 – 23	004-SR500101	TUNER KNOB	
2 – 24	010-SR500700	TUNER LENS RING	
2 – 25	010-SR500800	TUNER LENS COVER	
2 – 26	004-SR500301	FUNCTION KEY L	
2 – 27	100-SR502030	LEFT FUNCTION PCB ASS'Y	
2 – 28	100-SR502120	TOP LEFT LED PCB ASS'Y	
2 – 29	010-SR501100	SIDE POLE L	
2 – 30	010-SR501400	TOP PANEL	
2 – 31	004-SR500500	SNOOZE KNOB	
2 – 32	051-SRL50001	SPEAKER NET HIMERON	
2 – 33	010-SR500400	CLOTH HOLDER	
2 – 34	023-23010032	SCREW Ø3x10MM BB ZMC HD	
2 – 35	037-SR500000	RUBBER FOOT A	
2 – 36	004-SR500401	FUNCTION KEY A	
2 – 37	100-SR502140	BOTTOM LIGHT RIGHT PCB ASS'Y	
2 – 38	100-SR502130	BOTTOM LIGHT LEFT PCB ASS'Y	

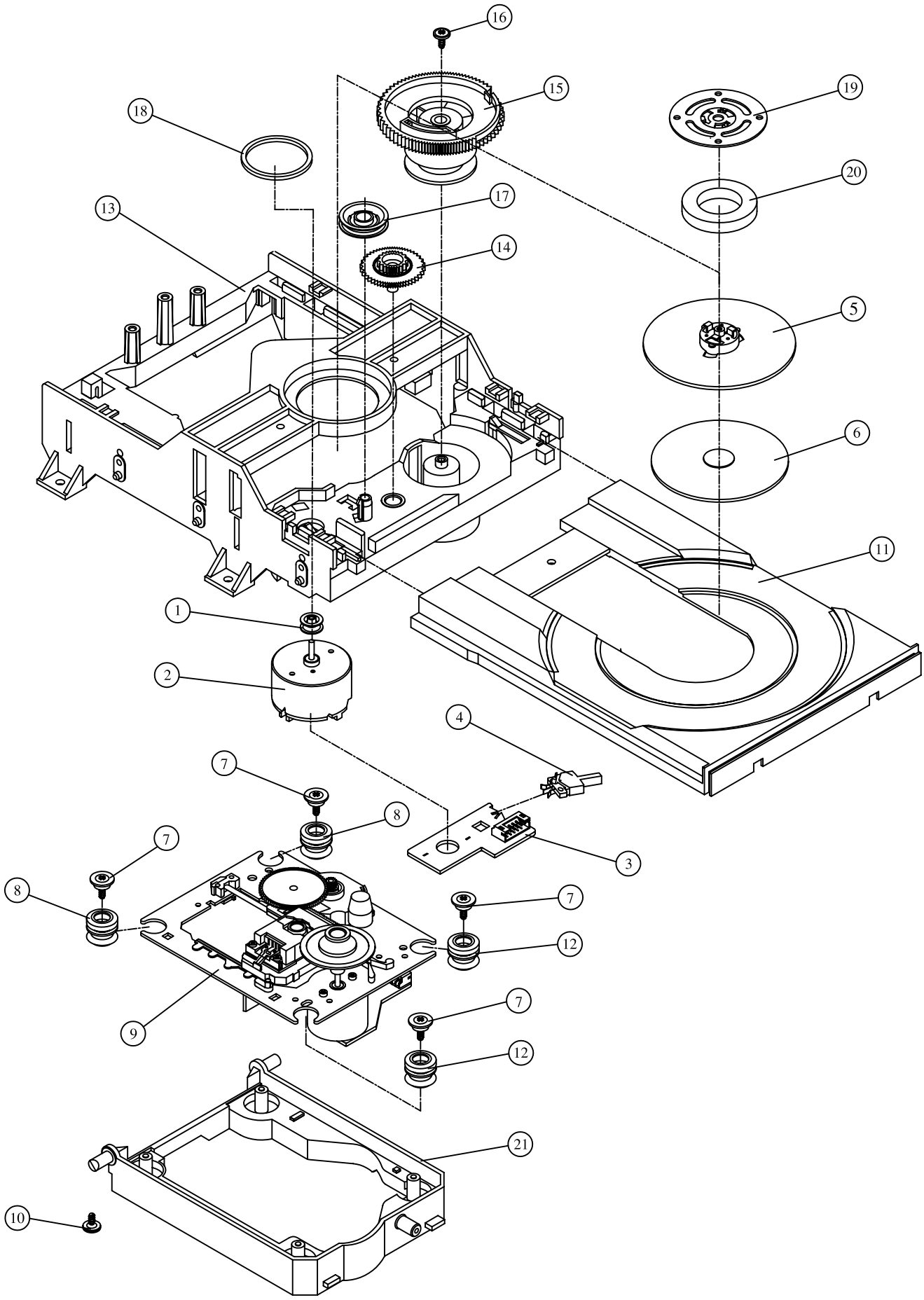
EXPLODED VIEW-3



EXPLODED VIEW-3

REF. NO	PARTS NO.	DESCRIPTION	REMARKS
3 – 1		FRONT CABINET ASS'Y	
3 – 2		WOOFER BOX ASS'Y	
3 – 3	100-SR502090	PHONE JACK PCB ASS'Y	
3 – 4	022-23006032	SCREW Ø3x6MM BM ZMC HD	
3 – 5	011-SR500600	PHONE PCB BKT	
3 – 6	007-SR500100	CD DOOR	
3 – 7		CD ASS'Y	
3 – 8	023-23008032	SCREW Ø3x8MM BB ZMC HD	
3 – 9	011-SR500100	CD BKT RIGHT	
3 – 10	011-SR500000	CD BKT LEFT	
3 – 11	011-SR500200	BRIDGE BKT FRONT	
3 – 12	011-SR500300	BRIDGE BKT REAR	
3 – 13	011-SR500400	CD PCB SHIELD PLATE	
3 – 14	100-SR502030	CD PCB ASS'Y (FOR T/C)	
	100-SR501170	CD PCB ASS'Y (FOR EUR)	
3 – 15	001-SR500200	REAR CABINET (FOR T/C)	
	001-SR500500	REAR CABINET (FOR EUR)	
3 – 16	022-23014033	SCREW Ø3x14MM BB ZMC HD	
3 – 17	022-23008033	SCREW Ø3x8MM BM ZMC HD	
3 – 18	015-SR500100	REAR CABINET PVC SHEET	
3 – 19	100-SR502080	SNOOZE SW PCB ASS'Y	
3 – 20	004-SR500600	DIMMER KNOB	

EXPLODED VIEW-4



EXPLODED VIEW-4

REF. NO	PARTS NO.	DESCRIPTION	REMARKS
4 – 1	008-OLT98003	CD BELT GEAR (D)	
4 – 2	085-OLT98050	MOTOR RF-500TB-12560	
4 – 3	100-SR502150	CD MOTOR PCB ASS'Y	
4 – 4	063-OLT98400	LEAF SWITCH	
4 – 5	010-LT980100	CD DISC HOLDER	
4 – 6	051-SRL50002	CD CLAMPER HIMERON	
4 – 7	025-OLT98002	SPECIAL SCREW	
4 – 8	037-OLT10100	CD RUBBER CUSHION(AC-211A-SIN30° BLACK)	
4 – 9	039-LT980130	CD PICK UP (SAMSUNG :CMS-B31VG6)	
4 – 10	023-43008032	SCREW Ø3x8MM PBW ZMC HD (Ø=12MM)	
4 – 11	037-OLT10200	CD LOADING TABLE	
4 – 12	002-LT980100	CD RUBBER CUSHION(AC-211A-SIN40° PINK)	
4 – 13	002-LT980000	CD BASE	
4 – 14	008-OLT98001	CD SMALL GEAR (B)	
4 – 15	008-OLT98000	CD BIG GEAR (A)	
4 – 16	023-42606032	SCREW Ø2.6x6MM PBW ZMC HD	
4 – 17	008-OLT98002	CD FLY GEAR (C)	
4 – 18	033-02301015	BELT	
4 – 19	011-LT980000	YOKE	
4 – 20	052-OLT98000	MAGNET	
4 – 21	010-LT980000	CD DECK HOLDER	

5 PC BOARD AND PARTS LIST

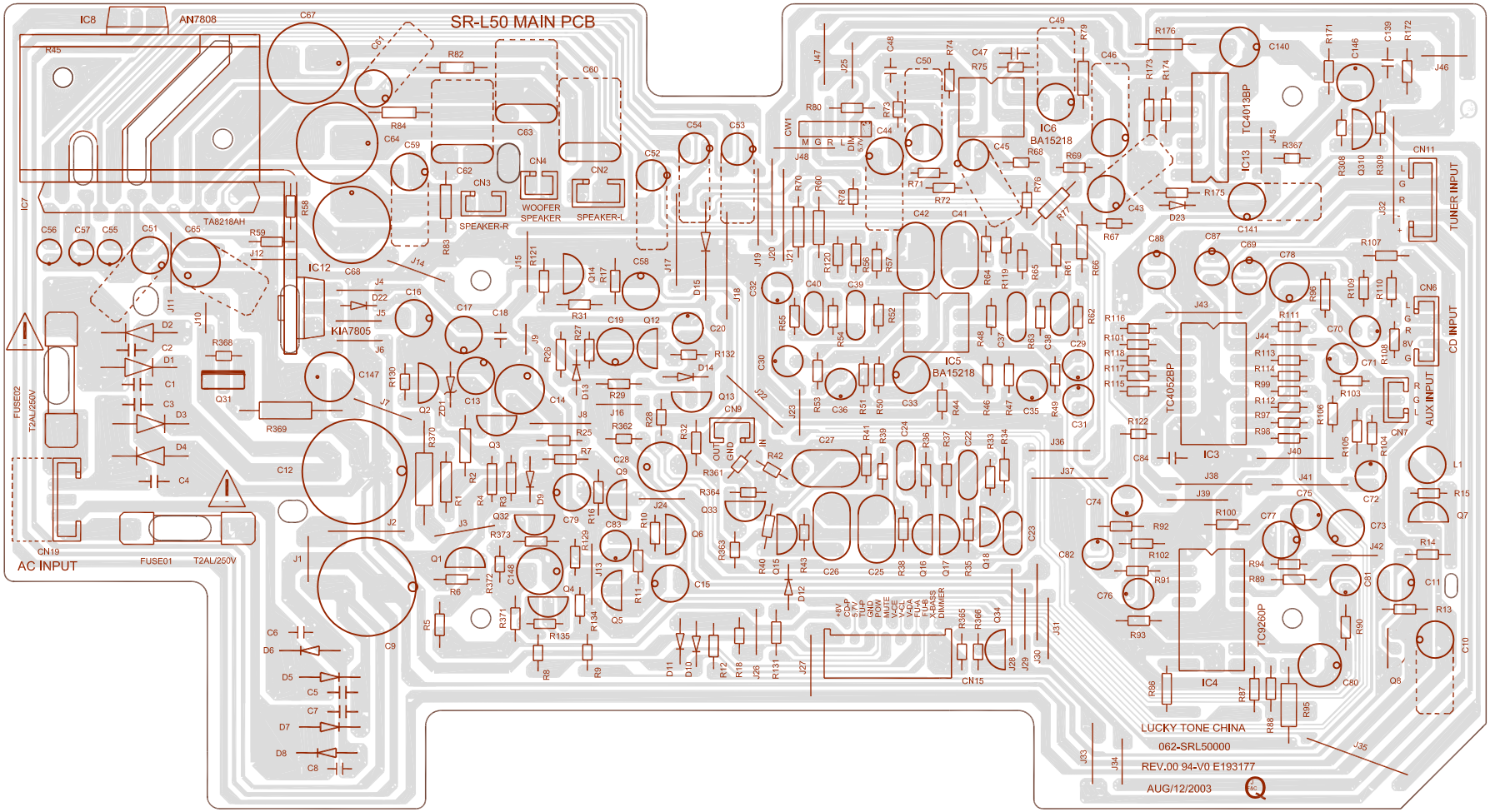
MAIN PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502010	MAIN PCB ASS'Y
	062-SRL50000	MAIN PCB 94V-0 REV:00
C1,2,3,4,5,6,7,8	070-32200507	CERAMIC CAP 0.022UF 50V Y5U M
C18,84	070-31000506	CERAMIC CAP 0.01UF 50V Z5U M
C47,48	070-02200502	CERAMIC CAP 22PF 50V NPO J
C139	070-50100507	CERAMIC CAP 0.1UF 50V Y5U M
C22,37,39	071-50121001	MYLAR CAP 0.12UF 100V J (H<12MM)
C24	071-38201001	MYLAR CAP 0.082UF 100V J
C27	071-50271001	MYLAR CAP 0.27UF 100V J (H<16MM)
C38,40	071-30331001	MYLAR CAP 0.0033UF 100V J
C41,42	071-50151001	MYLAR CAP 0.15UF 100V J (H<12MM)
C60,62,63	071-50101001	MYLAR CAP 0.1UF 100V J (H<10MM)
C9 ⚠	072-30220251	E/C CAP 2200UF/25V M (H<25MM)
C10,14,17,28	072-12200161	E/C CAP 220UF/16V M
C11,15,35,36,79,140	072-04700161	E/C CAP 47UF/16V M
C12	072-30470251	E/C CAP 4700UF/25V M (H<30MM)
C13,16,19,33,46,49	072-11000161	E/C CAP 100UF/16V M
50,77,78,80		
C20	072-04700251	E/C CAP 47UF/25V M
C29,30,31,32,87,88	072-A3300501	E/C CAP 3.3UF/50V M
141		
C43,44,69,70,71,72	072-01000161	E/C CAP 10UF/16V M
73,74,75,76,81,82		
C45,83,146	072-03300161	E/C CAP 33UF/16V M
C51	072-11000251	E/C CAP 100UF/25V M
C52,53,54,58	072-A1000501	E/C CAP 1UF/50V M
C55,56,57	072-04700162	E/C CAP 47UF/16V M
C59,61	072-01000251	E/C CAP 10UF/25V M
C64,67,68	072-30100251	E/C CAP 1000UF/25V M (H<22MM)
C65	072-12200125	E/C CAP 220UF/25V M
CN2	082-10340100	CONNECTOR 3PIN P=2.5MM 180°
CN3,7,9	082-10300100	CONNECTOR 3PIN P=2.0MM 180°
CN4	082-10240100	CONNECTOR 2PIN P=2.5MM 180°
CN6	082-10500100	CONNECTOR 5PIN P=2.0MM 180°
CN11	082-10540100	CONNECTOR 5PIN P=2.5MM 180°
CN19	082-20540100	CONNECTOR 5PIN P=2.5MM 90°
CN15	082-21450100	FPC CONNECTOR 14PIN P=1.25MM 90°
D1,2,3,4 ⚠	077-10539201	DIODE 1N5392
D5,6,7,8 ⚠	077-10400201	DIODE 1N4002
D9,10,11,12,13,14,15	077-00414801	DIODE 1N4148
22,23		

MAIN PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
FUSE01,02 ⚠	090-22520022	FUSE T2AL 250V "UL/CSA/VDE" MARK
IC3	075-00405201	IC:TC4052BP
IC4	075-00926001	IC:TC9260P
IC5,6	075-01521808	IC:BA15218
IC7	075-00821841	IC:TA8218AH
IC8 ⚠	075-00780801	IC:AN7808
IC12	075-00780501	IC:KIA7805PI
IC13	075-00401301	IC:TC4013BP
L1	078-06301952	FILTER COIL ∅3.0MMx19.5Tx∅0.5MM
Q1,2,4,5,8,12,13	076-00C94500	TRANSISTOR:2SC945
14,15,16,17,18,33		
34,310		
Q6,9	076-00A73300	TRANSISTOR:2SA733
Q7	076-00B54400	TRANSISTOR:2SB544F
ZD1	077-3011B20H	ZENER DIODE 10V 0.5W

MAIN PCB LAYOUT



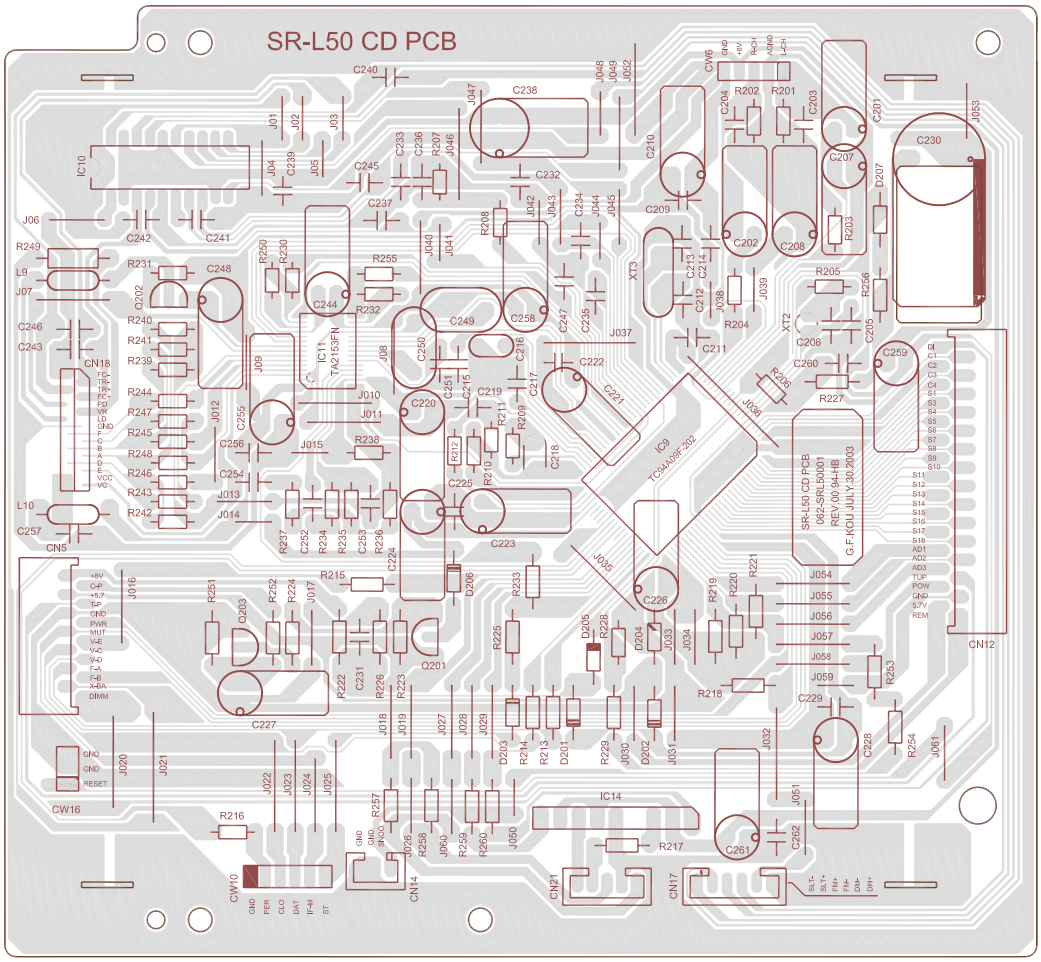
CD PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502020	CD PCB ASS'Y
	062-SRL50001	CD PCB 94-HB REV:00 (FOR T/C)
	062-SRL50006	CD PCB 94-HB REV:00 (FOR EUR)
C203,204	070-30220505	CERAMIC CAP 0.0022UF 50V Y5P M
C205,206	070-03300502	CERAMIC CAP 33PF 50V NPO J
C211,240,241,243	070-50100507	CERAMIC CAP 0.1UF 50V Y5U M
245,246,251,252,260		
262		
C212,213	070-01500502	CERAMIC CAP 15PF 50V NPO J
C215,247	070-30470506	CERAMIC CAP 0.0047UF 50V Z5U M
C217,231,239,256	070-31000506	CERAMIC CAP 0.01UF 50V Z5U M
257		
C219	070-04700502	CERAMIC CAP 47PF 50V NPO J
C232,233,234,235	070-34700507	CERAMIC CAP 0.047UF 50V Y5U M
242		
C236,237	070-14700504	CERAMIC CAP 470PF 50V Y5E K
C253	070-00300502	CERAMIC CAP 3PF 50V NPO C
C254	070-05600502	CERAMIC CAP 56PF 50V NPO J
C218	071-31501001	MYLAR CAP 0.015UF 100V J
C249,250	071-50221001	MYLAR CAP 0.22UF 100V J
C201,202	072-A3300501	E/C CAP 3.3UF 50V M
C207,208	072-02200161	E/C CAP 22UF/16V M
C210,238,248	072-11000161	E/C CAP 100UF/16V M
C220,221,223,224	072-04700161	E/C CAP 47UF/16V M
226,227,228,244,255		
258,259		
C230	072-30220101	E/C CAP 2200UF/10V M
CN5	082-21450100	FPC CONNECTOR 14PIN P=1.25MM 90°
CN12	082-23050100	FPC CONNECTOR 30PIN P=1.25MM 90°
CN14	082-20300100	CONNECTOR 3PIN P=2.0MM 90°
CN17	082-20600103	CONNECTOR 6PIN P=2.0MM 90°
CN18	082-21600305	FPC CONNECTOR 16PIN P=1.0MM
CN21	082-20500100	CONNECTOR 5PIN P=2.0MM 90°
D201,202,203,204	077-00414801	DIODE 1N4148
205,206		
IC9	075-094A0931	IC:TC94A09F-202
IC10	075-00209001	IC:TA2092N
IC11	075-00215301	IC:TA2153FN
IC14	075-00729111	IC:TA7291S

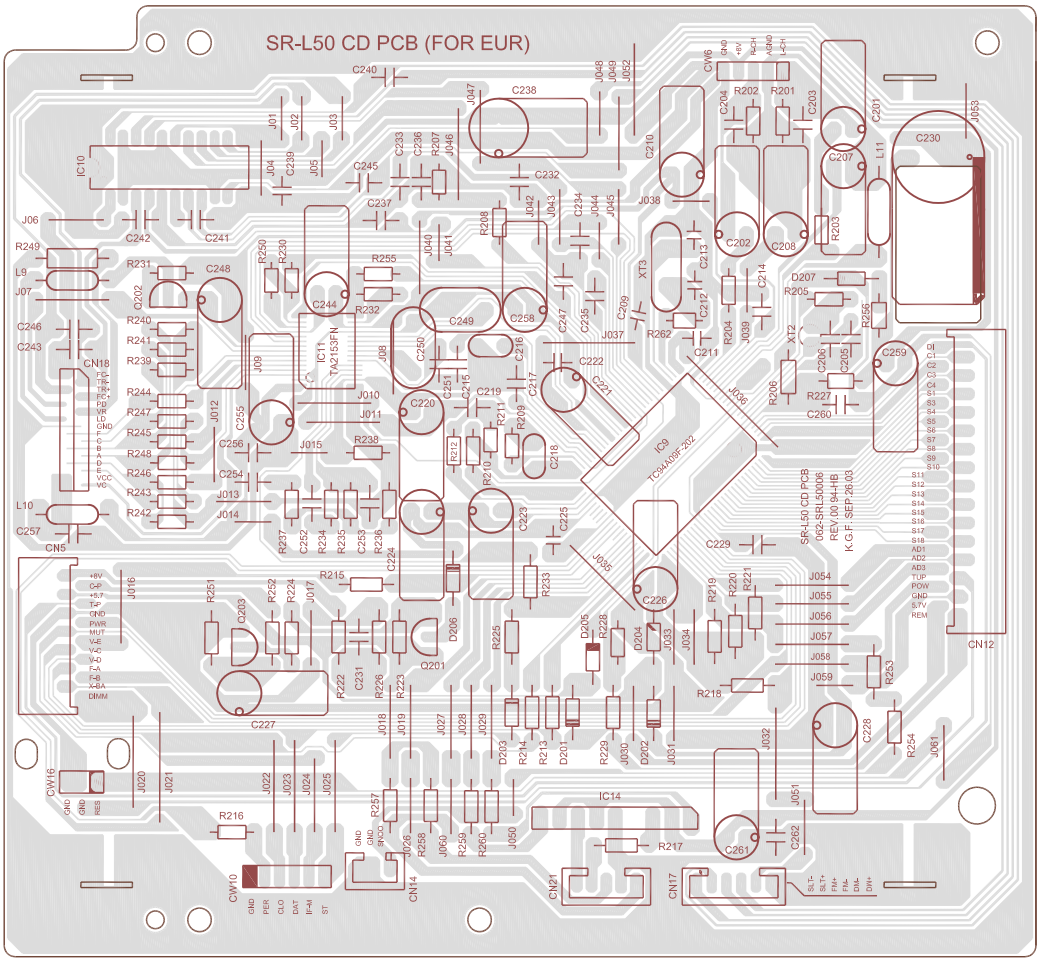
CD PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
L9,10	095-00100001	INDUCTOR 10UH 0.5W
Q201	076-00B54400	TRANSISTOR:2SB544F
Q202	076-00A73300	TRANSISTOR:2SA733
Q203	076-00C94500	TRANSISTOR:2SC945
XT2	093-A0750002	XTAL 75KHz
XT3	093-11693440	XTAL 16.9344MHz

CD PCB (FOR T/C) LAYOUT



SR-L50
CD PCB (FOR EUR) LAYOUT

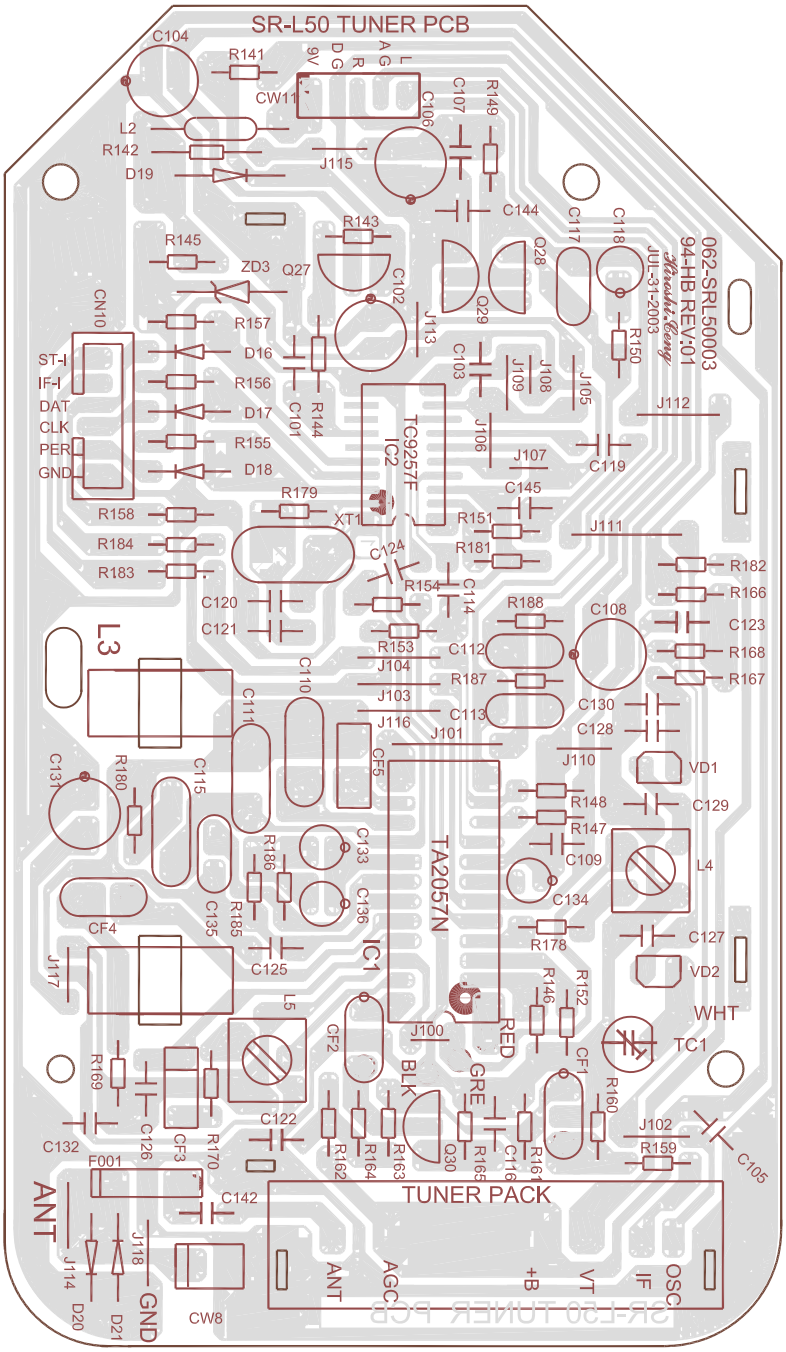


TUNER PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502060	TUNER PCB ASS'Y
	062-SRL50003	TUNER PCB 94-HB REV:00
C102,104,106,108	072-11000161	E/C CAP 100UF/16V M
C118	072-A3300501	E/C CAP 3.3UF/50V M
C131	072-11000162	E/C CAP 100UF/16V M
C133,134,136	072-01000251	E/C CAP 10UF/25V M
C101,105,107,109	070-50100507	CERAMIC CAP 0.1UF 50V Y5U M
122,127,132,144,145		
C114,116,123	070-32200507	CERAMIC CAP 0.022UF 50V Y5U M
C119,125	070-11000502	CERAMIC CAP 100PF 50V NPO J
C120,121	070-02000502	CERAMIC CAP 20PF 50V NPO J
C103,124	070-31000506	CERAMIC CAP 0.01UF 50V Z5U M
C128	070-13300504	CERAMIC CAP 330PF 50V Y5E K
C129	070-00800502	CERAMIC CAP 8PF 50V NPO C
C126	070-12200502	CERAMIC CAP 220PF 50V NPO J
C130	070-03000502	CERAMIC CAP 30PF 50V NPO J
C142	070-30100505	CERAMIC CAP 0.001UF 50V Y5P K
C110,111	071-38201001	MYLAR CAP 0.082UF 100V J
C112,113,135	071-31501001	MYLAR CAP 0.015UF 100V J
C115	071-36801001	MYLAR CAP 0.068UF 100V J
C117	071-31001001	MYLAR CAP 0.01UF 100V J
CF1,2	081-31070001	FM CERAMIC FILTER, L10.7MA5-A 3PIN
CF3	081-04500000	AM CERAMIC FILTER, SFU450B 3PIN
CF4	093-11070003	CERAMIC FILTER 10.7MHz 2PIN
CF5	093-A4560001	RESONATOR B456F16 2PIN
CN10	082-10600100	CONNECTOR 6PIN P=2.0MM 180°
D16,17,18,19,20,21	077-00414801	DIODE 1N4148
L2	095-10220001	INDUCTOR 220UH 0.5W
L3	096-D2930011	AM BAR ANT COIL 68T:20T
L4	079-D2930210	AM OSC COIL 3M005 RED
L5	079-D2800011	AM IFT COIL YELLOW (3A007C)
IC1	075-00205701	IC:TA2057N
IC2	075-09257F21	IC:TC9257F

TUNER PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
Q27	076-00A73300	TRANSISTOR:2SA733
Q28,29,30	076-00C94500	TRANSISTOR:2SC945
TC1	073-00020022	TC.20PF
VD1,2	077-50014901	ISV149
XT1	093-04500000	XTAL 4.5MHz
ZD3	077-3005B20H	ZENER DIODE 5.2V 0.5W


SR-L50 TUNER PCB
062-SRL50003
94-HB REV:01
JUL-31-2003
TC9257F
IC2
TA2057N
IC1
TUNER PACK
ANT
GND
L3
L4
L5
TC1
WHT
RED
BLK
GRE
ST-I
IF-I
DAT
CLK
PER
GND
AGC
ANT
+B
VT
IF
OSC

LCD DISPLAYER PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502050	LCD DISPLAYER PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
C301	072-04700161	E/C CAP 47UF/16V M
C302	072-12200101	E/C CAP 220UF/10V M
CN12	082-23050100	FPC CONNECTOR 30PIN P=1.25MM 90°
D301	077-00414801	DIODE 1N4148
Q304,305,307,308 309	076-00A73300	TRANSISTOR:2SA733
Q306,311	076-00C94500	TRANSISTOR:2SC945

LEFT FUNCTION PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
	100-SR502030	LEFT FUNCTION PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
LED2	094-06030502	BLUE LED:Ø5MM
Q303	076-00C94500	TRANSISTOR:2SC945
SW01,02,03,04,05 06,07,08	063-0GP28020	TACT SWITCH H=5.0MM

RIGHT FUNCTION PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
	100-SR502040	RIGHT FUNCTION PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
LED5	094-06030502	BLUE LED: Ø5MM
Q301,302	076-00C94500	TRANSISTOR:2SC945
SW09,010,011,012 013,014,015,016	063-0GP28020	TACT SWITCH H=5.0MM

BOTTOM LIGHT LEFT PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
	100-SR502130	BOTTOM LIGHT LEFT PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
LED7	094-06030602	BLUE LED: Ø5MM

BOTTOM RIGHT LEFT PCB ASSY

REF.NO	PARTS NO.	DESCRIPTION
	100-SR502140	**BOTTOM LIGHT RIGHT PCB ASS'Y**
	062-SRL50005	UNITED PCB 94-HB REV:00
LED4	094-06030602	BLUE LED: Ø5MM

TOP LEFT LED PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502120	TOP LEFT LED PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
CN303	082-20300100	CONNECTOR 3PIN P=2.0MM 90°
CN305	082-20240100	CONNECTOR 2PIN P=2.5MM 90°
LED3	094-06030502	BLUE LED: Ø5MM

BASS PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502110	BASS PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
CN304	082-20300100	CONNECTOR 3PIN P=2.0MM 90°
CN306	082-20240100	CONNECTOR 2PIN P=2.5MM 90°
LED6	094-06030502	BLUE LED: Ø5MM
VR1	069-SR501000	VR:50KB

PHONE JACK PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION
	100-SR502090	PHONE PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
C151,152	070-50100507	CERAMIC CAP 0.1UF 50V Y5U M
CN1	082-20600103	CONNECTOR 6PIN P=2.0MM 90°
JK01	064-35020104	HEAD PHONE JACK Ø3.5MM
SW022	063-0GP28020	TACT SWITCH H=5.0MM

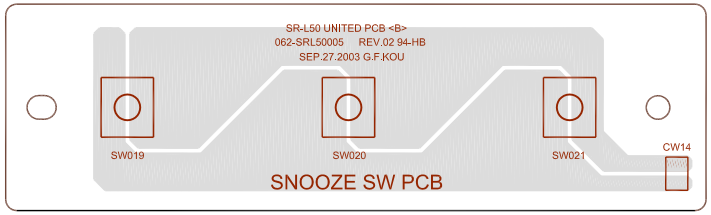
SNOOZE SWITCH PCB ASSY

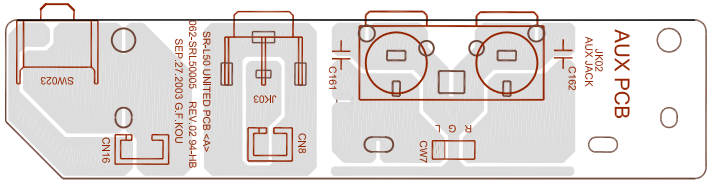
REF. NO	PARTS NO.	DESCRIPTION
	100-SR502080	SNOOZE SWITCH PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
SW019,021	063-SLD90000	TACT SWITCH H=4.3MM
SW020	063-SLD90001	TACT SWITCH H=5.0MM

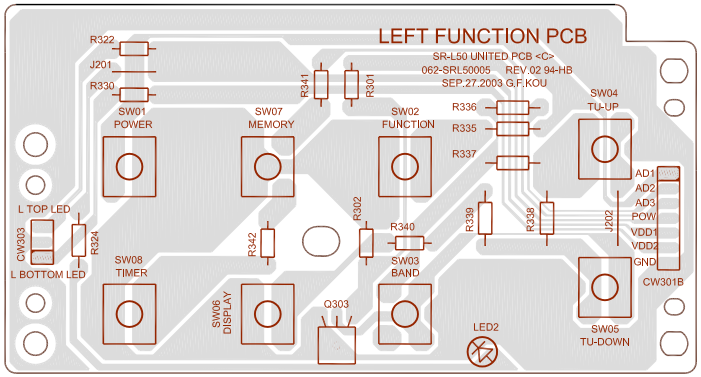
AUX PCB ASSY

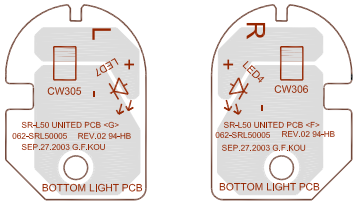
REF.NO	PARTS NO.	DESCRIPTION
	100-SR502100	AUX PCB ASS'Y
	062-SRL50005	UNITED PCB 94-HB REV:00
C161,162	070-30100505	CERAMIC CAP 0.001UF 50V Y5P K
CN8	082-10240100	CONNECTOR 2PIN P=2.5MM 180°
CN16	082-10300300	CONNECTOR 3PIN P=2.0MM 180°
JK02	086-SLD90020	AUX JACK 2PIN
JK03	020-SD900000	FM ANT JACK
SW023	063-SRL50060	TACT SWITCH 90° L=4.3MM

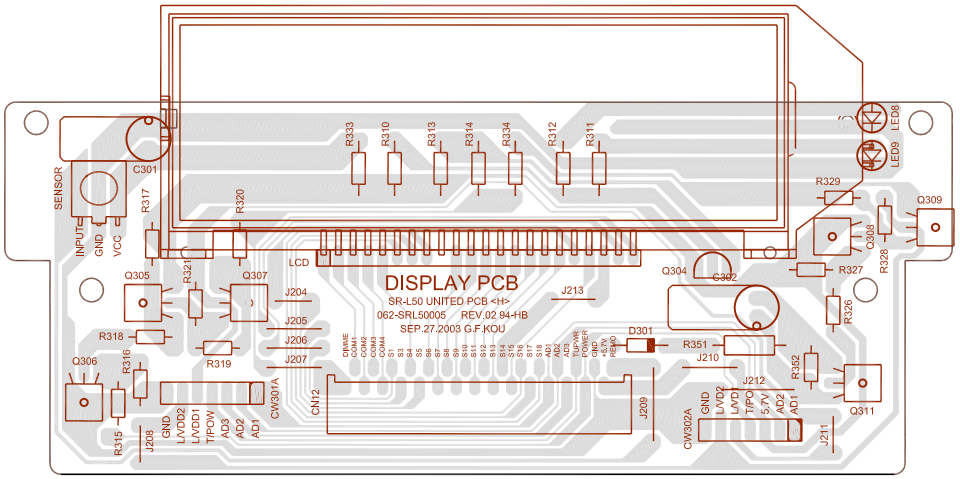
UNITED PCB LAYOUT

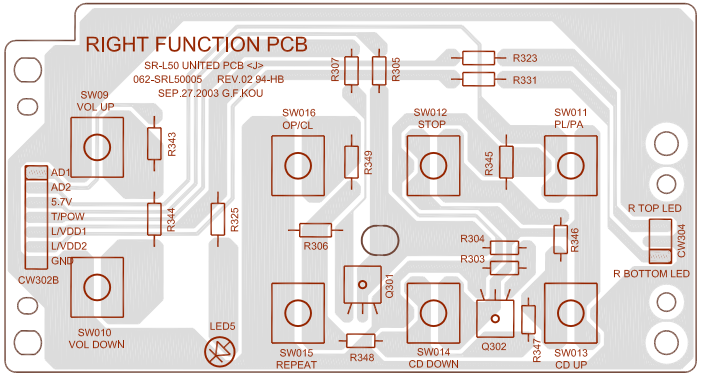


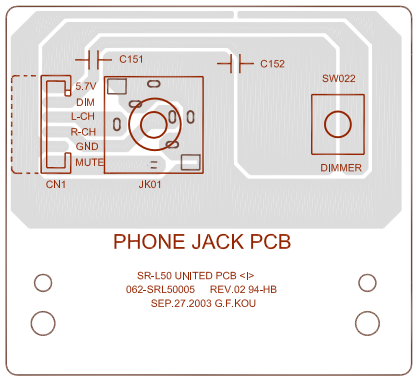


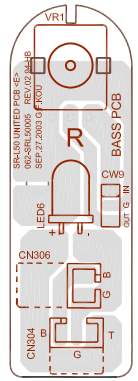


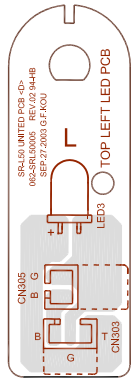


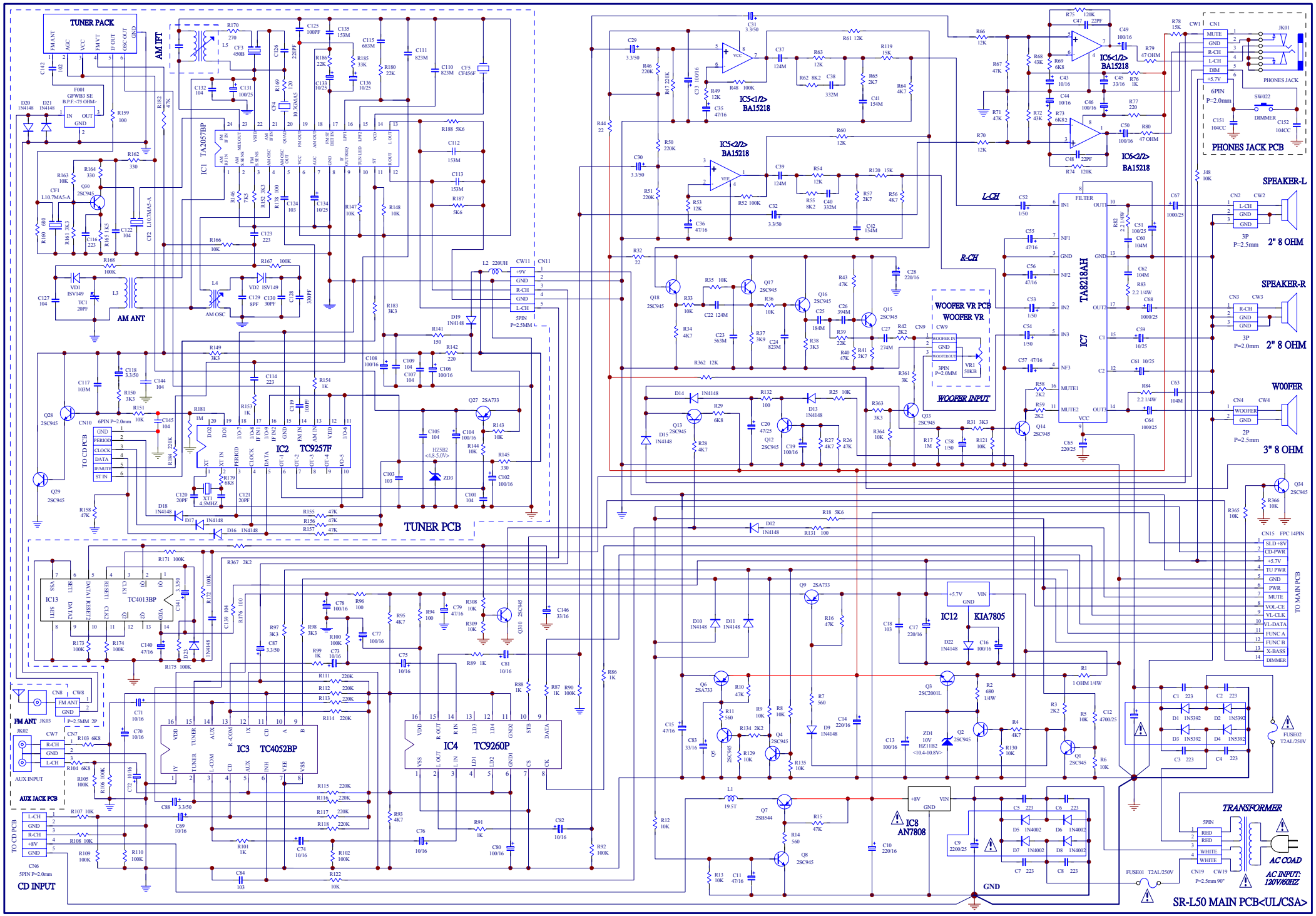


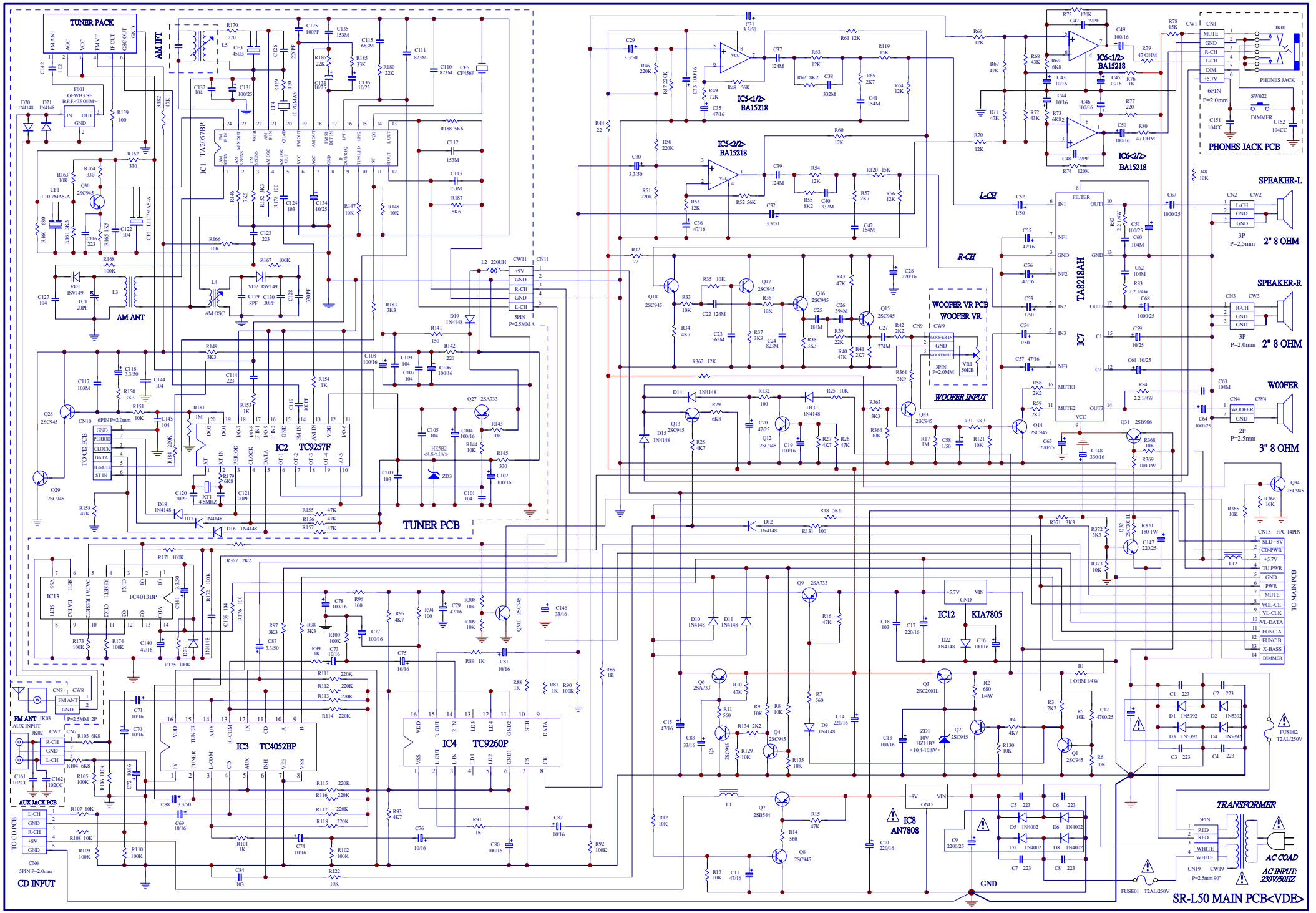


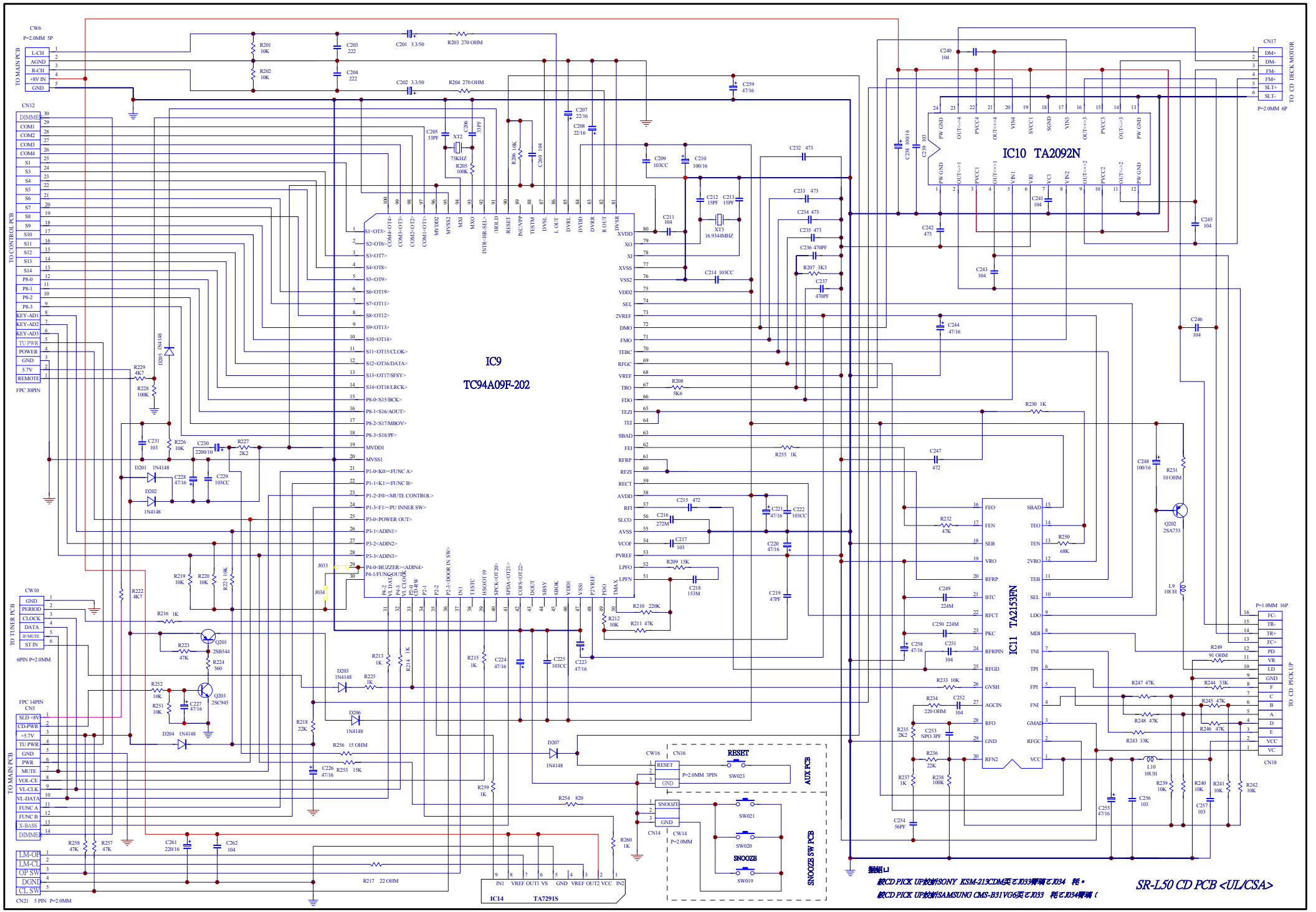


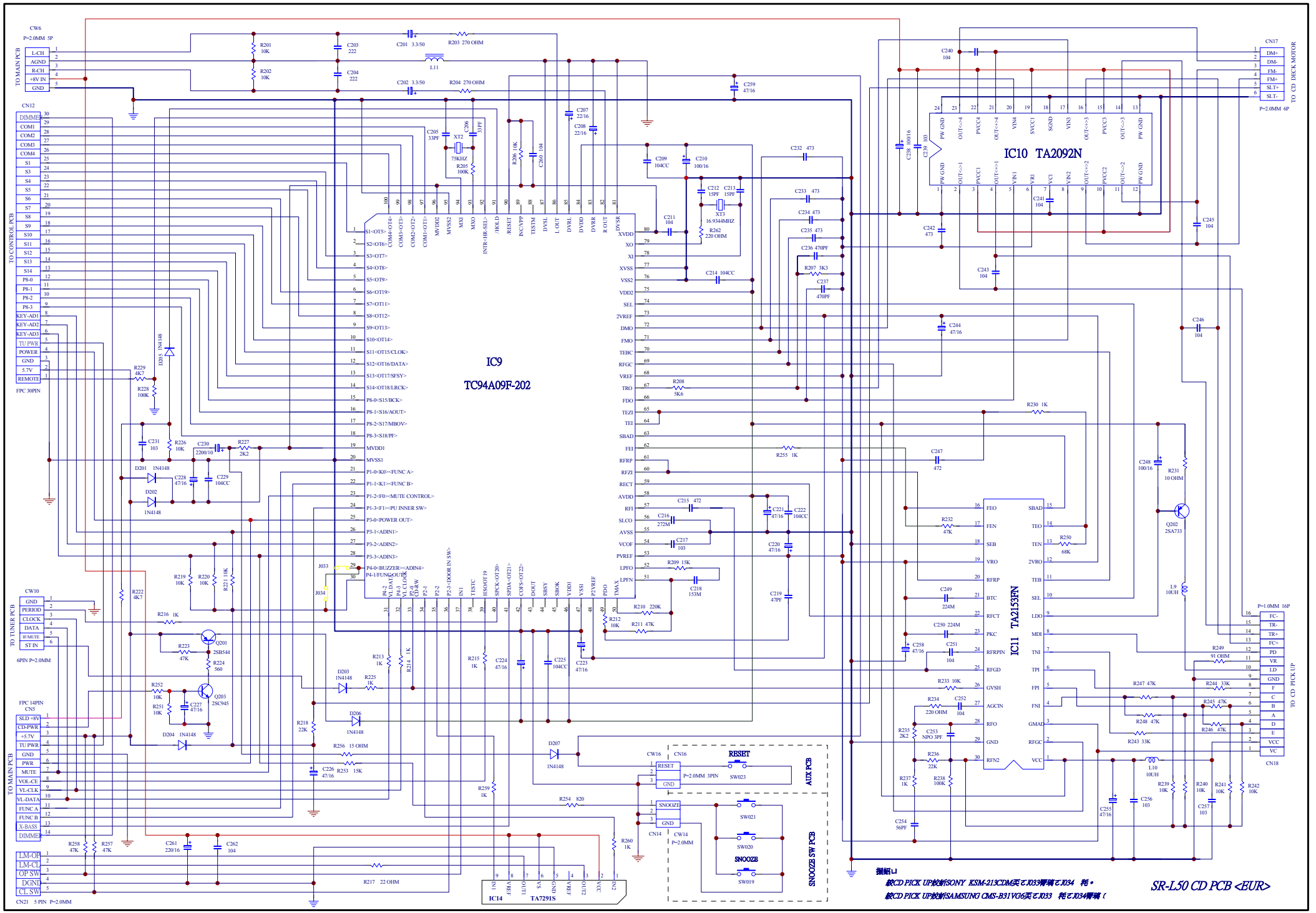


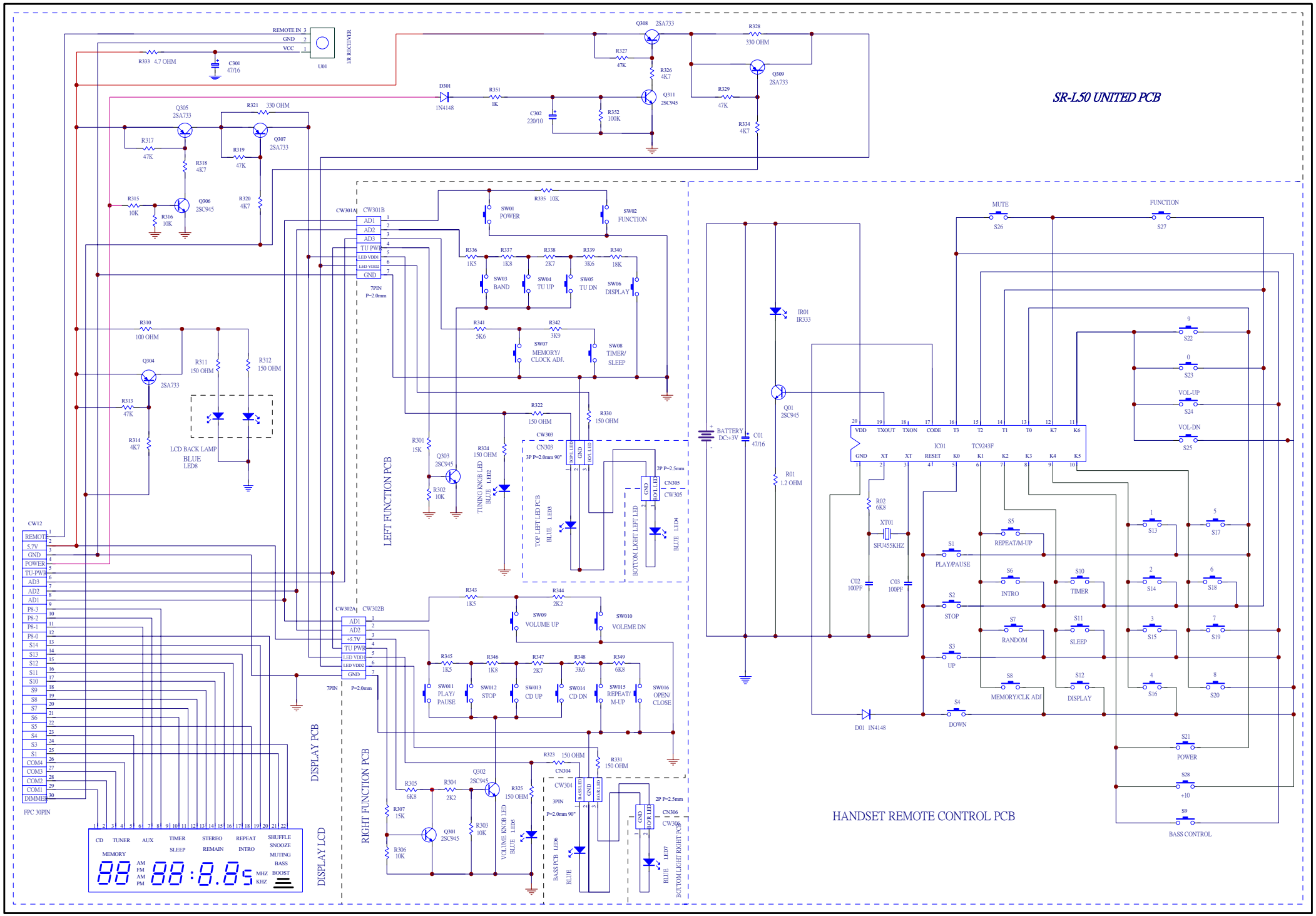



TUNER PACK
AM IFT
IC1 TA2057BP
IC2 TC9257P
IC3 TC4052BP
IC4 TC9260P
IC5<1/2> BA15218
IC5<2/2> BA15218
IC6<1/2> BA15218
IC6<2/2> BA15218
IC7 TA8218AH
IC8 AN7808
IC12 KIA7805
IC13 TC4013BP
L-CH
R-CH
WOOFER VR PCB
WOOFER VR
WOOFER INPUT
TUNER PCB
AM ANT
AM OSC
TO CD PCB
CD INPUT
AUX JACK PCB
AUX INPUT
FM ANT
PHONES JACK PCB
PHONES JACK
SPEAKER-L
SPEAKER-R
WOOFER
2" 8 OHM
3" 8 OHM
TO MAIN PCB
TRANSFORMER
AC COAD
AC INPUT: 120V/60HZ
GND
SR-L50 MAIN PCB<UL/CSA>


TUNER PACK
AM IFT
IC1 TA2057BP
IC2 TC9257P
IC3 TC4052BP
IC4 TC9260P
IC5<1/2> BA15218
IC5<2/2> BA15218
IC6<1/2> BA15218
IC6<2/2> BA15218
IC7 TA8218AH
IC8 AN7808
IC12 KIA7805
IC13 TC4013BP
AM ANT
AM OSC
TUNER PCB
TO CD PCB
WOOFER VR PCB
WOOFER VR
WOOFER INPUT
L-CH
R-CH
SPEAKER-L
SPEAKER-R
2" 8 OHM
3" 8 OHM
WOOFER
PHONES JACK PCB
PHONES JACK
DIMMER
TO MAIN PCB
FM ANT
AUX INPUT
AUX JACK PCB
CD INPUT
TRANSFORMER
AC COAD
AC INPUT: 230V/50HZ
GND
SR-L50 MAIN PCB<VDE>


IC9
TC94A09F-202
IC10 TA2092N
IC11 TA2153FN
IC14 TA7291S
SR-L50 CD PCB <UL/CSA>
TO MAIN PCB
TO CONTROL PCB
TO TUNER PCB
TO CD DECK MOTOR
TO CD PICK UP
AUX PCB
SNOOZE SW PCB
FPC 30PIN
6PIN P=2.0MM
FPC 14PIN
CN21 5 PIN P=2.0MM
P=2.0MM 6P
P=1.0MM 16P
P=2.0MM 3PIN
P=2.0MM
RESET
SNOOZE
SW021
SW020
SW019
SW023


IC9
TC94A09F-202
IC10 TA2092N
IC11 TA2153FN
IC14 TA7291S
SR-L50 CD PCB <EUR>


SR-L50 UNITED PCB
REMOTE IN
GND
VCC
IR RECEIVER
U01
C301 47/16
R333 4.7 OHM
Q308 2SA733
R328 330 OHM
R327 47K
R326 4K7
Q309 2SA733
R329 47K
Q311 2SC945
D301 1N4148
R351 1K
C302 220/10
R352 100K
R334 4K7
Q305 2SA733
R321 330 OHM
Q307 2SA733
R317 47K
R319 47K
R318 4K7
R315 10K
R316 10K
Q306 2SC945
R320 4K7
CW301A
CW301B
AD1
AD2
AD3
TU PWR
LED VDD1
LED VDD2
GND
7PIN P~2.0mm
R335 10K
SW01 POWER
SW02 FUNCTION
R336 1K5
R337 1K8
R338 2K7
R339 3K6
R340 18K
SW03 BAND
SW04 TU UP
SW05 TU DN
SW06 DISPLAY
R341 5K6
R342 3K9
SW07 MEMORY/ CLOCK ADJ.
SW08 TIMER/ SLEEP
R310 100 OHM
Q304 2SA733
R311 150 OHM
R312 150 OHM
R313 47K
R314 4K7
LCD BACK LAMP BLUE LED8
R322 150 OHM
R330 150 OHM
CW303
CN303
3P P~2.0mm 90°
TOP/L LED
GND
BOT/L LED
2P P~2.5mm
CN305
CW305
R301 15K
Q303 2SC945
R302 10K
R324 150 OHM
TUNING KNOB LED
BLUE LED2
TOP LEFT LED PCB
BLUE LED3
BOTTOM LIGHT LEFT LED
BLUE LED4
LEFT FUNCTION PCB
CW12
REMOTE
5.7V
GND
POWER
TU-PWR
AD3
AD2
AD1
P8-3
P8-2
P8-1
P8-0
S14
S13
S12
S11
S10
S9
S8
S7
S6
S5
S4
S3
S1
COM4
COM3
COM2
COM1
DIMMER
FPC 30PIN
CW302A
CW302B
+5.7V
R343 1K5
R344 2K2
SW09 VOLUME UP
SW010 VOLEME DN
R345 1K5
R346 1K8
R347 2K7
R348 3K6
R349 6K8
SW011 PLAY/ PAUSE
SW012 STOP
SW013 CD UP
SW014 CD DN
SW015 REPEAT/ M-UP
SW016 OPEN/ CLOSE
R323 150 OHM
R331 150 OHM
CN304
CW304
3PIN P~2.0mm 90°
BASS LED
GND
BOOST LED
2P P~2.5mm
CN306
CW306
R305 6K8
R304 2K2
Q302 2SC945
R325 150 OHM
R307 15K
R306 10K
Q301 2SC945
R303 10K
VOLUME KNOB LED
BLUE LED5
BASS PCB LED6
BLUE
BOTTOM LIGHT RIGHT PCB
BLUE LED7
RIGHT FUNCTION PCB
DISPLAY PCB
DISPLAY LCD
CD
TUNER
AUX
TIMER
SLEEP
STEREO
REMAIN
REPEAT
INTRO
SHUFFLE
SNOOZE
MUTING
BASS
BOOST
MEMORY
AM
FM
AM
PM
MHZ
KHZ
IR01 IR333
BATTERY DC:+3V
C01 47/16
Q01 2SC945
R01 1.2 OHM
D01 1N4148
MUTE
S26
FUNCTION
S27
IC01
TC9243F
VDD
TXOUT
TXON
CODE
T3
T2
T1
T0
K7
K6
GND
XT
XT
RESET
K0
K1
K2
K3
K4
K5
R02 6K8
XT01 SFU455KHZ
C02 100PF
C03 100PF
S1 PLAY/PAUSE
S2 STOP
S3 UP
S4 DOWN
S5 REPEAT/M-UP
S6 INTRO
S7 RANDOM
S8 MEMORY/CLK ADJ
S10 TIMER
S11 SLEEP
S12 DISPLAY
S9 S22
S23 VOL-UP
S24 VOL-DN
S25
S13 S17
S14 S18
S15 S19
S16 S20
S21 POWER
S28 +10
S9 BASS CONTROL
HANDSET REMOTE CONTROL PCB

SR-L50

TEAC

TEAC CORPORATION	3-7-3, Nakacho, Musashino-shi, Tokyo 180-8550, Japan	Phone:(0422)52-5081
TEAC AMERICA, INC.	7733 Telegraph Road, Montebello, California 90640	Phone:(323)726-0303
TEAC CANADA LTD.	5939 Wallace Street, Mississauga, Ontario L4Z 1Z8, Canada	Phone:(905)890-8008
TEAC MEXICO, S.A. De C.V	Campesions 184, Col.Granjas Esmeralda, 09810, Mexico	Phone:(525)581-5500
TEAC UK LIMITED	5 Marlin House, Croxley Business Park, Watford, Hertfordshire, WD18 8TE, U.K.	Phone:01923-819699
TEAC DEUTSCHLAND GmbH	Bahnstrasse 12, 65205 Wiebaden-Erbenheim, Germany	Phone:0611-71580
TEAC FRANCE S.A.	17, Rue Alexis-de-Tocquville, CE 005 92182 Antony Cedex, France	Phone:(1)42.37.01.02
TEAC ITALIANA S.p.A.	Via C. Cantu 11, 20092 Cinisello Balsamo, Milano, Italy	Phone:02-66010500
TEAC AUSTRALIA PTY., LTD.	106 Bay Street, Port Melbourne, Victoria 3207, Australia	Phone:(03)9644-2442
A.B.N. 80 005 408 462		